

Media contact:

Daniela Karthaus
Hitachi Rail Europe Ltd.
+44-7920 205 631
daniela.karthaus@hitachirail-eu.com

Hitachi onboard ETCS technology successfully operating with Network Rail track-side system

LONDON, June 10, 2013 – Hitachi Rail Europe Ltd. today announced that its Onboard ETCS (European Train Control System) solution has successfully connected to the Network Rail Cambrian Line signalling system, and achieved ETCS Level 2 operation.

The breakthrough came as part of Hitachi Rail Europe's 'Verification-Train 3' project to trial ETCS onboard equipment in the UK. During this project, the Class 97301 locomotive has been successfully retro-fitted with the Hitachi onboard system to prove interoperability with other systems currently in use.

As part of the recent success, the Hitachi system was correctly identified on the Network Rail Signalling System and Control Centre in Wales (Machynlleth) without any system failures. The locomotive was driven under its own power with ETCS Level 2 via the GSM-R radio network in various operational modes such as 'Staff Responsible', 'On Sight', 'Shunting' and 'Full Supervision'.

Richard Tomlin, Signalling Project Manager at Hitachi Rail Europe is delighted with the success: "We have been working towards this key milestone for some time now and are delighted that we achieved this operation at a very early stage in the project. It gives us the opportunity to prove to the industry that our technology has full interoperability and can communicate with other suppliers' systems. We are now able to move into the next phase of test running".

Jim Doughty, Project Manager at Network Rail, commented: "The success of the Hitachi trials demonstrates Network Rail's continued commitment to supporting the purveyors of ETCS Onboard Systems and to providing a fully interoperable ETCS system within the UK."

ETCS is a common signalling system which has been developed throughout Europe to enable

train services to cross frontiers and boundaries between different countries without the need to change signalling systems or locomotives. ETCS is part of the European Rail Traffic Management System (ERTMS) and many systems have already been implemented around the world.

Following the first UK ERTMS Scheme on the Cambrian Line in 2011, Network Rail is now embarking on a phased trackside and associated train fitment implementation programme, in order to realise the benefits of a radio-based cab signalling system with a reduced trackside infrastructure.

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About Hitachi Rail Europe Ltd.

Hitachi Rail Europe Ltd., is a wholly owned subsidiary of Hitachi Europe, Ltd. and is headquartered in London, UK.

Hitachi Rail Europe is a total railway system supplier offering rolling stock, traction equipment, signalling, traffic management systems, and maintenance depots.

Hitachi draws on many years of experience as a leading supplier of high-speed trains such as the Shinkansen (bullet train) for the Japanese and international markets. In Europe, Hitachi Rail Europe's first rolling stock contract was to deliver a fleet of 29 Class 395 trains, the first domestic high-speed train in the UK, which are maintained at Hitachi's state of the art depot in Ashford, Kent. As part of the British Department for Transport's Intercity Express Programme, Hitachi Rail Europe will replace the UK's ageing fleet of Intercity trains, and will establish a new rolling stock manufacturing facility in the UK for this purpose. The trains will be maintained and services in a number of new maintenance depots along the Great Western Main Line and the East Coast Main Line.

For more information about the company, please visit: www.Hitachirail-eu.com .

About Hitachi, Ltd.

Hitachi, Ltd. (TSE: 6501), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 326,000 employees worldwide. The company's consolidated revenues for fiscal 2012 (ended March 31, 2013) totaled 9,041 billion yen (\$96.1 billion). Hitachi is focusing more than ever on the Social Innovation Business, which includes infrastructure systems, information & telecommunication systems, power systems, construction machinery, high functional material & components, automotive systems and others.

For more information on Hitachi, please visit the company's website at <http://www.hitachi.com>.

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